Print Form

# ECO-i™ Submittal Data

SANYO
Building Life.

**CHDZ14053**
**Heat Recovery: 12 tons VRF Outdoor Unit**

Job Name:_____
Location:_____
Engineer:_____
Submitted to:_____
Submitted by:_____
Reference:_____

Approval:_____
Date:_____
Construction:_____
Unit #:_____
Drawing #:_____

**Compressor Warranty: 6 Years**
**Parts Warranty: 1 Year**
**Coil Coated to Protect Against Corrosion**
**Salt Protection also avilable**

ECO i DC Inverter W-3WAY MULTI

| **Capacities** | |
|---|---|
| Cooling: Btu/h | 153,600 |
| Power Input: KW | 13.3 |
| Heating: Btu/h | 170,600 |
| Power Input: KW | 13.2 |

| **Cooling Mode Nominal Conditions** | |
|---|---|
| Indoor: °F DB/°F WB | 80/67 |
| Outdoor: °F DB | 95 |
| Pipe Length (feet): | 25 |
| Level Difference (feet): | 0 |

| **Heating Mode Nominal Conditions** | |
|---|---|
| Indoor: °F DB | 70 |
| Outdoor: °F DB/ °F WB | 47/43 |
| Pipe Length (feet): | 25 |
| Level Difference (feet): | 0 |

| **Operating Range** | |
|---|---|
| Cooling: °F DB: | 14 to 109 |
| Heating: °F DB: | -4 to 59 |

| **Compressor** | |
|---|---|
| Quantity/Type: | 1 Inverter driven rotary & 2 fixed speed scroll |
| Capacity Control Range: | 10-100% |

| **Fan** | |
|---|---|
| Quantity/Type: | 1 Propeller |
| Fan Motor Output (KW): | 0.7 |

| **Power Supply** | |
|---|---|
| V/PH/Hz. | 208-230 / 3 / 60 |
| Minimum circuit Amps (MCA): Amps | 59 |
| Max. Overcurrent Protection (MOCP): | 70 |

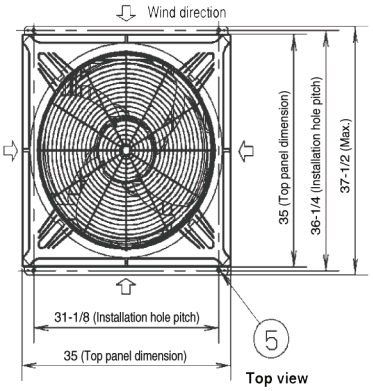
| | |
|---|---|
| **Weight (lbs)**: | 789 |
| **Refrigerant**: | 410A |

| **Coil** | |
|---|---|
| Coil Face Area (sq. ft.): | 22.5 |
| Number of Rows: | 4 |

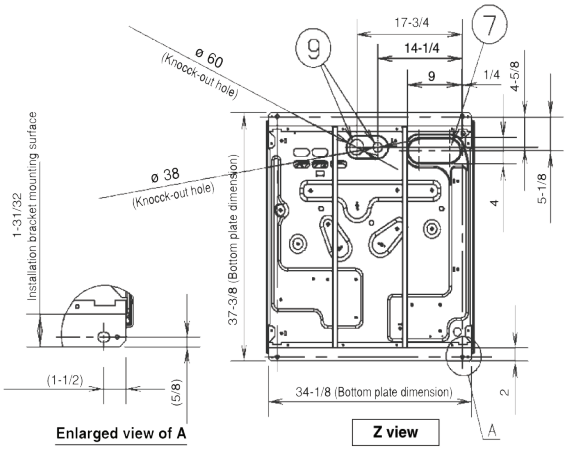
| **Protection Devices** | |
|---|---|
| High Pressure Switch: | Yes |
| Overcurrent (CT Method): | Yes |
| Crankcase Heaters (W): | 25 + 32 x 2 |

| | |
|---|---|
| **External Finish**: | Electrostatic Powder Coating |

# Dimensions

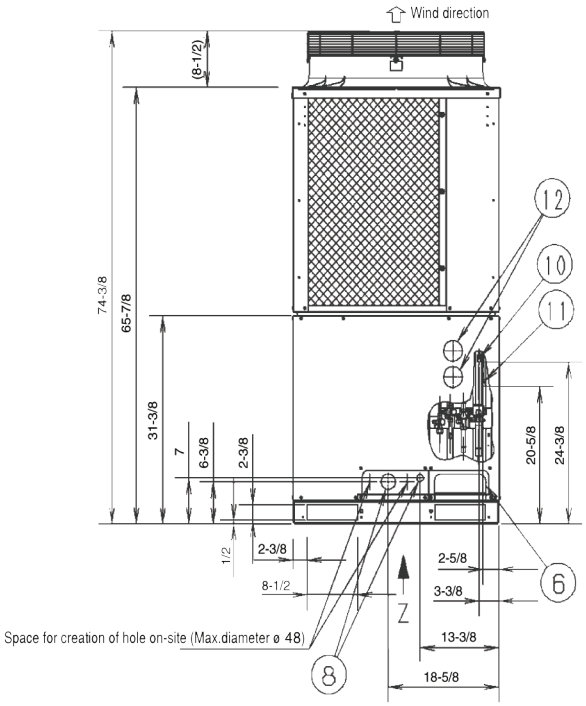


Top view

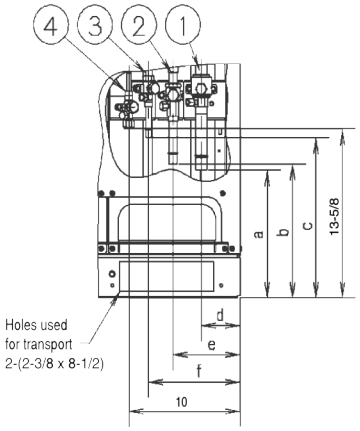


Enlarged view of A

Z view



Front view




※ Measurements for assume that the supplied connection tubing is used.

Table of Measurements for Refrigerant Tube Connection

| Equivalent horsepower | Size (In.) | | | | | |
|---|---|---|---|---|---|---|
| | a | b | c | d | e | f |
| 10 | 6-1/2 | 6-7/8 | 12-7/8 | 3-1/2 | 6 | 8-1/4 |
| 16 | 7-1/8 | 7-1/4 | 12-7/8 | 3-1/2 | 6 | 8-1/4 |

| | | | 10hp | 16hp |
|---|---|---|---|---|
| ① | Refrigerant (suction tube) | brazed connection | ø7/8" | ø1-1/8" |
| ② | Refrigerant (discharge tube) | brazed connection | ø3/4" | ø7/8" |
| ③ | Refrigerant (liquid tube) | brazed connection | ø3/8" | ø1/2" |
| ④ | Refrigerant (balance tube) | brazed connection | ø3/8" | ø3/8" |
| ⑤ | Installation holes (4 – 15x 20 elongated holes), anchor bolts M12 or larger | | | |
| ⑥ | Refrigerant (front: knockout hole and slit) | | | |
| ⑦ | Tubing port (bottom: hole with cover) | | | |
| ⑧ | Electrical wiring port (front: ø60, ø28 knock-out holes – for conduit connection) | | | |
| ⑨ | Electrical wiring port (bottom: ø60, ø38 knock-out holes – for conduit connection) | | | |
| ⑩ | Pressure outlet port (for high pressure: ø7.94 Schrader-type connection) | | | |
| ⑪ | Pressure outlet port (for low pressure: ø7.94 Schrader-type connection) | | | |
| ⑫ | Knock-out hole for connecting pressure gauge (optional) | | | |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